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Najd Environmental Characteristics



Construction

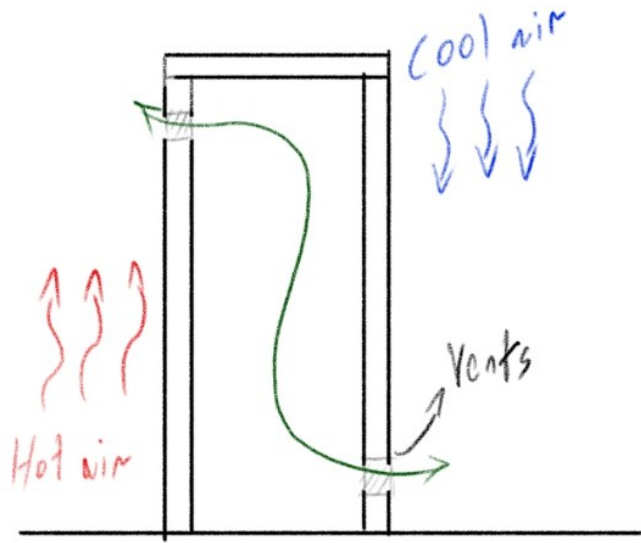


Mud construction

The mud construction of Najd can help us withstand the harsh environment as it insulates heat very well.

The background is a dark teal color with a series of concentric circles and a dashed line. The circles are centered on the left side of the image and expand towards the right. A dashed line follows the path of one of the circles, starting from the left and curving upwards and to the right.


▼ Properties of Air



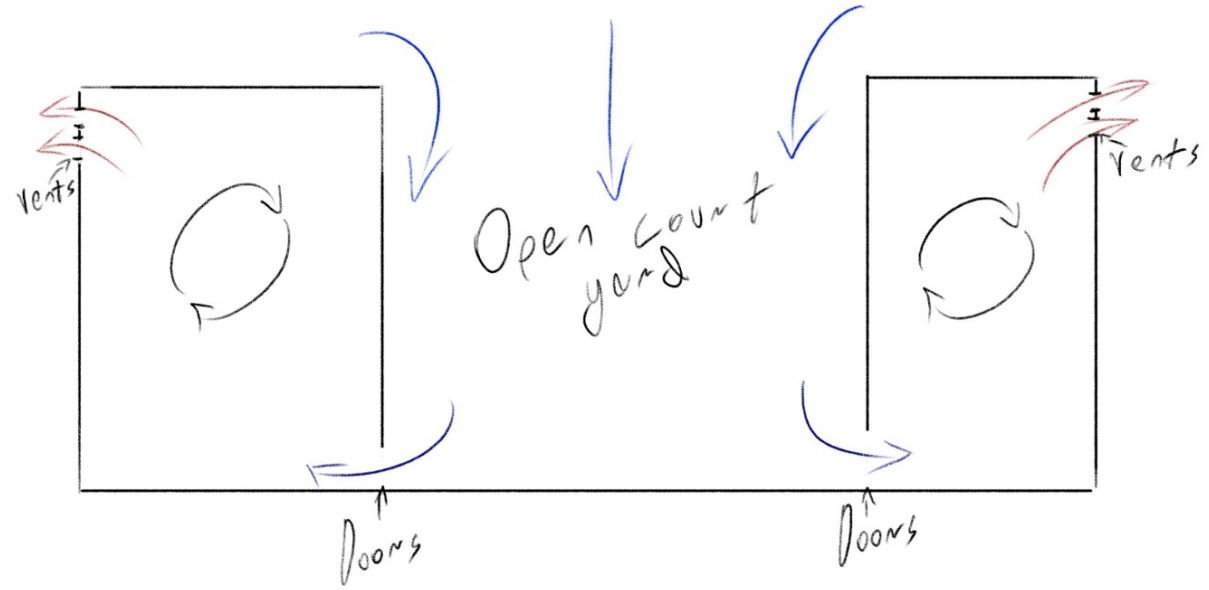
Air convection

- As the air is heated it gets lighter and rises.
- On the other hand, when it is cooled it condenses and gets heavier moving to the bottom.

Air Circulation



Circulation



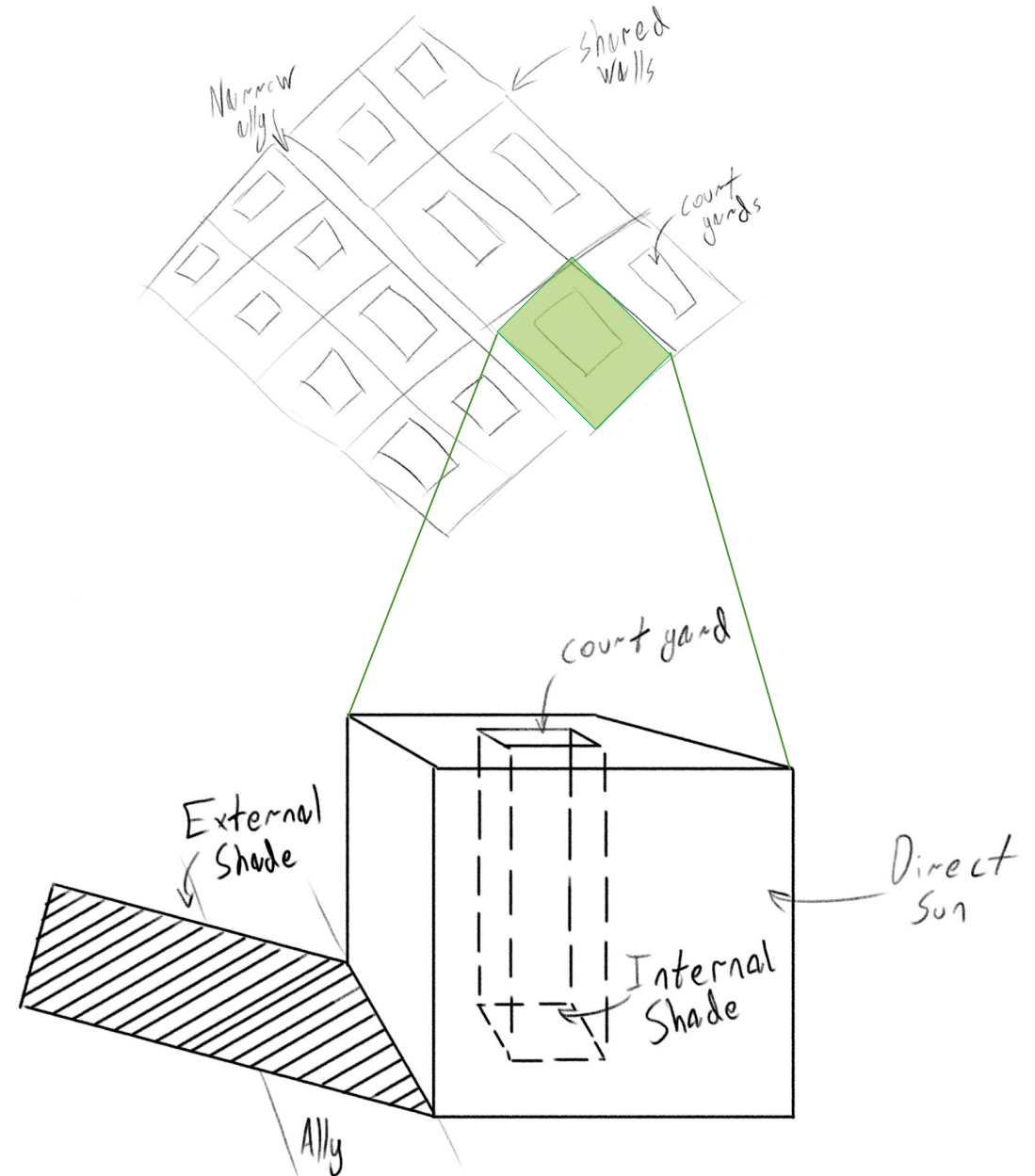
- By understanding the movement of the air we can understand the air circulation from the open space in the courtyard moving to the vent in each room

The background features a series of concentric circles in light gray, some solid and some dashed, creating a sense of depth and movement. A large, solid green oval is positioned in the center-right of the frame. A dark gray, curved shape, resembling a shadow or a stylized 'C', is located to the left of the green oval, partially overlapping it.

Shading

Managing the heat

- ❑ Building the houses next to each other share a wall or more we eliminate direct sun heat.
- ❑ We can also create shade to the ally way for most of the day by using the buildings' Height as well as narrowing down the alleys.



Examples



*Mohammad T
splendid arab*



Examples

The background features a series of concentric circles in light gray, some solid and some dashed, creating a subtle pattern. A large, solid green speech bubble is centered on the page, pointing downwards. The text "Thank You" is written in white, sans-serif font inside the bubble.

Thank You